

**COLLECTING ACTIVITY AND SLEEP QUALITY INFORMATION
VIA A MEDICAL DEVICE**

ABSTRACT

A device, such as an implantable medical device (IMD) or a programming device, determines when a patient is attempting to sleep. When the device determines that the patient is attempting to sleep, the device determines values for one or more metrics that indicate the quality of a patient's sleep based on at least one physiological parameter of the patient. When the device determines that the patient is not attempting to sleep, the device periodically determines activity levels of the patient. Activity metric values may be determined based on the determined activity levels. A clinician may use sleep quality information and patient activity information presented by a programming device to, for example, evaluate the effectiveness of therapy delivered to the patient by the medical device.